1311 WOODLAND AVE #1 • MODESTO, CALIFORNIA 95351 • (209) 529-4080 • FAX (209) 529-4736



REPORT NUMBER: 14-136-158 **CLIENT NO:** 5441-D

SEND TO: TERRA RENEWAL

12812 VALLEY VIEW #9 SUBMITTED BY: CHRIS MARKS GARDEN GROVE. CA 92845

CUSTOMER: MERCED

LAB NO: 26965 DATE: 05/22/2014 ORGANIC FERTILIZER REPORT PAGE: 1

				REPORT OF	ANALYSIS	IN PERCEN	Г				REPO	RT OF ANALY	SIS IN PARTS	PER MILLION		
SAMPLE ID	Nitrogen N	Phosphorus P	Phosphate P ₂ O ₅	Potassium K	Potash K₂O	Sulfur S	Magnesium Mg	Calcium Ca	Sodium Na	Iron Fe	Aluminum Al	Manganese Mn	Copper Cu	Zinc Zn	В	
EBMUD	3.79	2.92	6.69	0.530	0.638	2.020	0.780	2.880	0.630	35290	25200	433	307	712	9.0	

							POUNE	S OF NUTR	IENTS / TO	N						
SAMPLE ID	Nitrogen N	Phosphorus P	Phosphate P ₂ O ₅	Potassium K	Potash K₂O	Sulfur S	Magnesium Mg	Calcium Ca	Sodium Na	Iron Fe	Aluminum Al	Manganese Mn	Copper Cu	Zinc Zn	В	
EBMUD	75.8	58.4	133.8	10.6	12.8	40.4	15.6	57.6	12.6	70.6	50.4	0.9	0.6	1.4	<0.1	

Reported on an as-received basis Moisture = pH = 8.5

Reported on a dry basis Moisture = 77.10%

Remarks: To convert to pounds of nutrients/ton

as received, multiply pounds of nutrients/ton as reported by (100 - moisture %)/100. C:N Ratio = 6:1

Soluble Salts = 3.3 dS/m Organic Matter = 45.09 % Ammonia Nitrogen = 0.233 % Nitrate Nitrogen = <0.003 %

Chloride = 0.98 %

Organic Nitrogen = 3.55 % Volatile Solids = 45.09 % Our reports and letters are for the exclusive and confidential use of our clients, and may not be reproduced in whole or in part, nor may any reference be made to the work, the result or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

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Robert Butterfield

A & L WESTERN LABORATORIES, INC.

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GARDEN GROVE, CA 92845

CUSTOMER: MERCED

LAB NO: 26966 DATE: 05/22/2014 ORGANIC FERTILIZER REPORT PAGE: 2

				REPORT OF	ANALYSIS	IN PERCEN	Т				REPO	RT OF ANALY	SIS IN PARTS	PER MILLION		
SAMPLE ID	Nitrogen N	Phosphorus P	Phosphate P ₂ O ₅	Potassium K	Potash K₂O	Sulfur S	Magnesium Mg	Calcium Ca	Sodium Na	Iron Fe	Aluminum Al	Manganese Mn	Copper Cu	Zinc Zn	В	
VISALIA	2.36	1.17	2.68	0.380	0.458	0.550	0.510	1.930	0.090	19600	14820	238	146	575	18.0	

							POUNE	S OF NUTR	IENTS / TOI	N						
SAMPLE ID	Nitrogen N	Phosphorus P	Phosphate P ₂ O ₅	Potassium K	Potash K₂O	Sulfur S	Magnesium Mg	Calcium Ca	Sodium Na	Iron Fe	Aluminum Al	Manganese Mn	Copper Cu	Zinc Zn	В	
VISALIA	47.2	23.4	53.6	7.6	9.2	11.0	10.2	38.6	1.8	39.2	29.6	0.5	0.3	1.2	<0.1	

Reported on an as-received basis Moisture = pH = 6.4

Reported on a dry basis Moisture = 55.96% Soluble Salts

Remarks: To convert to pounds of nutrients/ton

as received, multiply pounds of nutrients/ton as reported by (100 - moisture %)/100. C:N Ratio = 16:1

Soluble Salts = 2.4 dS/m

Organic Matter = 66.92 %

Ammonia Nitrogen = 0.102 %

Nitrate Nitrogen = 0.005 %

Chloride = 0.21 %

Organic Nitrogen = 2.25 % Volatile Solids = 66.92 % Our reports and letters are for the exclusive and confidential use of our clients, and may not be reproduced in whole or in part, nor may any reference be made to the work, the result or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

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12812 VALLEY VIEW #9 SUBMITTED BY: CHRIS MARKS

CUSTOMER: MERCED

LAB NO: 26967 DATE: 05/22/2014 ORGANIC FERTILIZER REPORT PAGE: 3

				REPORT OF	ANALYSIS	IN PERCEN	Т				REPO	RT OF ANALY	SIS IN PARTS	PER MILLION		
SAMPLE ID	Nitrogen N	Phosphorus P	Phosphate P ₂ O ₅	Potassium K	Potash K₂O	Sulfur S	Magnesium Mg	Calcium Ca	Sodium Na	Iron Fe	Aluminum Al	Manganese Mn	Copper Cu	Zinc Zn	В	
SAN MATEO	5.38	2.31	5.29	0.120	0.145	1.620	0.620	2.490	0.150	38090	5609	920	321	985	8.0	

							POUNE	OS OF NUTR	IENTS / TO	N						
SAMPLE ID	Nitrogen N	Phosphorus P	Phosphate P ₂ O ₅	Potassium K	Potash K₂O	Sulfur S	Magnesium Mg	Calcium Ca	Sodium Na	Iron Fe	Aluminum Al	Manganese Mn	Copper Cu	Zinc Zn	В	
SAN MATEO	107.6	46.2	105.9	2.4	2.9	32.4	12.4	49.8	3.0	76.2	11.2	1.8	0.6	2.0	<0.1	

Reported on an as-received basis Moisture = pH = 8.2

Reported on a dry basis Moisture = 80.82% Soluble Salts = 1.9

Remarks: To convert to pounds of nutrients/ton

as received, multiply pounds of nutrients/ton as reported by (100 - moisture %)/100. C:N Ratio = 3:1
Soluble Salts = 1.9 dS/m
Organic Matter = 32.44 %
Ammonia Nitrogen = 0.071 %
Nitrate Nitrogen = <0.003 %
Chloride = 0.46 %

Organic Nitrogen = 5.30 % Volatile Solids = 32.44 %

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12812 VALLEY VIEW #9 SUBMITTED BY: CHRIS MARKS

GARDEN GROVE, CA 92845

CUSTOMER: MERCED

LAB NO: 26968 DATE: 05/22/2014 ORGANIC FERTILIZER REPORT PAGE: 4

				REPORT OF	ANALYSIS	IN PERCEN	Г				REPO	RT OF ANALY	SIS IN PARTS	PER MILLION		
SAMPLE ID	Nitrogen N	Phosphorus P	Phosphate P ₂ O ₅	Potassium K	Potash K₂O	Sulfur S	Magnesium Mg	Calcium Ca	Sodium Na	Iron Fe	Aluminum Al	Manganese Mn	Copper Cu	Zinc Zn	В	
SANTA CRUZ	4.47	3.02	6.92	0.110	0.133	1.510	0.410	4.700	0.130	28780	15670	965	543	1135	13.0	

							POUNE	S OF NUTR	IENTS / TO	١						
SAMPLE ID	Nitrogen N	Phosphorus P	Phosphate P ₂ O ₅	Potassium K	Potash K₂O	Sulfur S	Magnesium Mg	Calcium Ca	Sodium Na	Iron Fe	Aluminum Al	Manganese Mn	Copper Cu	Zinc Zn	В	
SANTA CRUZ	89.4	60.4	138.4	2.2	2.7	30.2	8.2	94.0	2.6	57.6	31.3	1.9	1.1	2.3	<0.1	

Reported on an as-received basis Moisture = pH = 8.3

Reported on a dry basis Moisture = 76.78% Soluble

Remarks: To convert to pounds of nutrients/ton

as received, multiply pounds of nutrients/ton as reported by (100 - moisture %)/100. C:N Ratio = 4:1 Soluble Salts = 2.3 dS/m

Soluble Salts = 2.3 dS/m Organic Matter = 36.71 % Ammonia Nitrogen = 0.156 % Nitrate Nitrogen = <0.003 %

Chloride = 0.38 %

Organic Nitrogen = 4.31 % Volatile Solids = 36.71 %

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GARDEN GROVE, CA 92845

CUSTOMER: MERCED

LAB NO: 26969 DATE: 05/22/2014 ORGANIC FERTILIZER REPORT PAGE: 5

			I	REPORT OF	ANALYSIS	IN PERCEN	Т				REPO	RT OF ANALY	SIS IN PARTS	PER MILLION		
SAMPLE ID	Nitrogen N	Phosphorus P	Phosphate P ₂ O ₅	Potassium K	Potash K₂O	Sulfur S	Magnesium Mg	Calcium Ca	Sodium Na	Iron Fe	Aluminum Al	Manganese Mn	Copper Cu	Zinc Zn	В	
LIVERMORE	5.95	3.75	8.59	0.230	0.277	1.660	1.000	4.010	0.130	30010	6277	211	438	975	20.0	

							POUNE	S OF NUTR	IENTS / TO	N						
SAMPLE ID	Nitrogen N	Phosphorus P	Phosphate P ₂ O ₅	Potassium K	Potash K₂O	Sulfur S	Magnesium Mg	Calcium Ca	Sodium Na	Iron Fe	Aluminum Al	Manganese Mn	Copper Cu	Zinc Zn	В	
LIVERMORE	119.0	75.0	171.9	4.6	5.5	33.2	20.0	80.2	2.6	60.0	12.6	0.4	0.9	2.0	<0.1	

Reported on an as-received basis Moisture = pH = 7.6

Reported on a dry basis Moisture = 80.85% Soluble Salts = 2.

Remarks: To convert to pounds of nutrients/ton

as received, multiply pounds of nutrients/ton as reported by (100 - moisture %)/100. C:N Ratio = 3:1
Soluble Salts = 2.5 dS/m
Organic Matter = 29.93 %
Ammonia Nitrogen = 0.104 %
Nitrate Nitrogen = 0.004 %
Chloride = 0.25 %
Organic Nitrogen = 5.84 %
Volatile Solids = 29.93 %

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